

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-14 (Canceled).

15. (Currently Amended): An electrical deionization apparatus comprising:
deionization compartments, concentration compartments and electrode compartments
partitioned from one another by a plurality of ~~ion- anion- and cation- exchange members~~
membranes between a cathode and an anode,
wherein, in at least the ~~a deionization compartments compartment~~, one or more ~~sheet-~~
~~shaped sheets of~~ anion exchange fibrous materials and one or more ~~sheet-shaped sheets of~~
cation exchange fibrous materials are ~~disposed- alternately laminated~~ on one another in a
direction intersecting a water-passing direction from a water inlet to a treated water outlet of
the deionization compartments such that ~~they- opposite ends of each of the sheets of the anion~~
exchange fibrous material and the sheets of the cation exchange fibrous material come into
contact with both of an anion exchange membrane and a cation exchange membrane
demarcating the deionization compartment, and
at least one of the sheets of anion exchange fibrous material and the sheets of cation
exchange fibrous material is a material obtained by introducing an ion exchange group onto a
substrate using radiation-induced graft polymerization.

Claims 16-17 (Canceled).

Claim 18. (Currently Amended): ~~The~~ An electrical deionization apparatus, ~~according~~
~~to Claim 15, further comprising comprising:~~

deionization compartments, concentration compartments and electrode compartments
partitioned from one another by a plurality of anion- and cation- exchange membranes
between a cathode and an anode; and

a sheet-shaped anion exchange fibrous material disposed running along a surface of
the anion exchange membrane and/or a sheet-shaped cation exchange fibrous material
disposed running along a surface of the cation exchange membrane,

wherein, in a deionization compartment, one or more sheets of anion exchange
fibrous materials and one or more sheets of cation exchange fibrous materials are alternately
laminated on one another in a direction intersecting a water-passing direction from a water
inlet to a treated water outlet of the deionization compartment such that opposite ends of each
of the sheets of the anion exchange fibrous materials and the sheets of the cation exchange
fibrous material come into contact with both of the sheet-shaped anion exchange fibrous
material and the sheet-shaped cation exchange fibrous material.

19. (Currently Amended): The electrical deionization apparatus according to Claim
15, wherein in the concentration compartments and/or electrode compartments, one or more
~~sheet-shaped~~ sheets of anion exchange fibrous materials and one or more ~~sheet-shaped~~ sheets
of cation exchange fibrous materials are disposed- alternately laminated on one another in a
direction intersecting a water-passing direction such that they- the sheets of the anion
exchange fibrous materials and the cation exchange fibrous materials come into contact with
both of an anion exchange membrane and a cation exchange membrane demarcating the
deionization compartment.

Claims 20-24 (Canceled).

Claim 25. (New): An electrical deionization apparatus comprising:

a deionization compartment, a concentration compartment and electrode compartments partitioned from one another by a plurality of anion- and cation-exchange membranes between a cathode and an anode,

wherein, in the deionization compartment, one or more sheets of anion exchange fibrous materials and one or more sheets of cation exchange fibrous materials are alternately laminated on one another in a direction intersecting a water-passing direction from a water inlet to a treated water outlet of the deionization compartment such that opposite ends of each of the sheets of the anion exchange fibrous material and the sheets of the cation exchange fibrous material come into contact with both of an anion exchange membrane and a cation exchange membrane demarcating the deionization compartment, and wherein at least one of the sheets of anion exchange fibrous material and the sheets of cation exchange fibrous material is a material obtained by introducing an ion exchange group onto a substrate using radiation-induced graft polymerization.

Claim 26. (New): The electrical deionization apparatus according to Claim 15, further comprising:

a sheet-shaped anion exchange fibrous material disposed running along a surface of the anion exchange membrane and/or a sheet-shaped cation exchange fibrous material disposed running along a surface of the cation exchange membrane,

wherein, in the deionization compartment, one or more sheets of anion exchange fibrous materials and one or more sheets of cation exchange fibrous materials are alternately laminated on one another in a direction intersecting a water-passing direction from a water inlet to a treated water outlet of the deionization compartment such that opposite ends of each of the sheets of the anion exchange fibrous materials and the sheets of the cation exchange

fibrous material come into contact with both of the sheet-shaped anion exchange fibrous material and the sheet-shaped cation exchange fibrous material.

Claim 27. (New): The electrical deionization apparatus according to Claim 15, wherein in the concentration compartment and/or an electrode compartment, one or more sheets of anion exchange fibrous materials and one or more sheets of cation exchange fibrous materials are alternately laminated on one another in a direction intersecting a water-passing direction such that the sheets of the anion exchange fibrous materials and the cation exchange fibrous materials come into contact with both of an anion exchange membrane and a cation exchange membrane demarcating the deionization compartment.